



Product Name	Semaglutide GLP-1 Analogue	CAS #	910463-68-2
Molecular Formula	C187H291N45O59	Molecular Weight	4113.57754
Batch #	TH2305003	Date of Mfg	2023-06-13
Reference Standard	Enterprise Standard	Retest Date	2025-06-12
Storage	In an airtight container, protected from light, at a temp of 2C to 8C		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	≤ 8.0%	4.80%
Sodium ion	≤ 5.0%	2.10%
Trifluoroacetic Acid	≤ 0.5%	Not Detected
Peptide Purity (By HPLC)	≥ 98.0%	99.82%
Related Substance (By HPLC)	Total Impurities (%) ≤ 2.0%	0.18%
	Largest Single Impurity (%) ≤ 1.0%	0.13%
Bacterial Endotoxins	≤ 10EU/mg	Conform
Assay	≥ 90.0%	101.54%
Residual Solvents	Acetonitrile: NMT 410ppm	138ppm
	Dichloromethane: NMT 600ppm	Not Detected
	DMF: NMT 880ppm	Not Detected

Conclusion	This batch conforms with enterprise standards and qualified
Test Performed By	Mike M
Test Date	6/18/23